

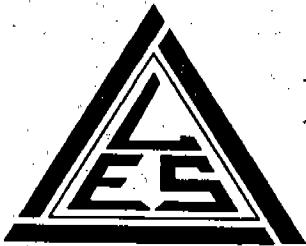
SOIL ASSESSMENT REPORT

**WORTH INDUSTRIES
3416 SANDY RIDGE ROAD
COLFAX, NORTH CAROLINA**

OCTOBER 5, 1993

LEGACY ENVIRONMENTAL SERVICES, INC.





LEGACY ENVIRONMENTAL SERVICES, INC.

P.O. Box 4560, Greensboro, NC 27404-4560, Phone (919) 316-0452, FAX (919) 299-1961

October 5, 1993

Mr. Roger Brewster
Arnold Equipment Company, Inc.
P.O. Box 18207
Greensboro, North Carolina 27419

Reference: Soil Assessment
Worth Industries
3416 Sandy Ridge Road
Colfax, North Carolina

Dear Mr. Brewster:

Please find enclosed a report summarizing the soil assessment performed at the above referenced facility. The activities conducted during our investigation consisted of eight drilled and hand-auger borings, field sampling and laboratory analyses of the soils in the former vicinity of six underground storage tanks and associated piping removed from this facility. Also included with this report is an analysis of geologic, climatologic and other physical and demographic conditions at the project site. All activities were conducted in accordance with North Carolina Department of Environment, Health, and Natural Resources (NCDEHNR) guidelines and the requirements of 15A NCAC 2N.

Legacy Environmental Services, Inc. recommends forwarding a copy of this report to Guilford County Emergency Services. This report is submitted in accordance with the requirements of the North Carolina Administrative Code, Title 15A, Subchapter 2N "Underground Storage Tanks" and G.S. 143-215.75 et. seq. Oil Pollution and Hazardous Substance Control Act of 1978. We certify that all information contained herein is accurate and factual to the best of our knowledge. Please contact our office at (919) 316-0452 if you have any questions.

Sincerely,

Susan G. Feir
Project Manager

SOIL ASSESSMENT REPORT

WORTH INDUSTRIES
3416 SANDY RIDGE ROAD
COLFAX, NORTH CAROLINA

OCTOBER 5, 1993

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1.0 Introduction & Site History

1.1 Introduction

The Worth Industries facility, located at 3416 Sandy Ridge Road in Colfax, North Carolina, was originally developed as an industrial facility. Worth Industries formerly operated a gravure facility on the site. On January 19, 1993 six underground storage tanks (USTs) were removed from this property by Arnold Equipment Company, Inc. These tanks were registered with the state on May 1, 1986. Soil samples collected during the closure assessment were submitted to an independent laboratory for analyses. The analyses of these samples indicated that soil in the area of the USTs had been impacted by hazardous substances contained in the tank systems, specifically isopropyl acetate in Tank #1.

Worth Industries Corporation contracted Arnold Equipment Company, Inc. (Arnold Equipment) and Legacy Environmental Services, Inc. (Legacy) to conduct a soil assessment at the Colfax, NC facility. On June 30, 1993, eight soil borings were performed in order to determine the vertical and horizontal extent of soil contamination found in the previous investigations.

This report contains information concerning the following activities at this site:

A summary of the findings from the UST closure assessment activities conducted by Arnold Equipment, Inc. and Legacy Environmental Services, Inc.

Soil boring assessment activities conducted by Legacy.

Laboratory analytical results conducted by Hydrologic Laboratories of Frankfort, KY.

1.2 Location

The Worth Industries facility is located at 3416 Sandy Ridge Road, Colfax, Guilford County, North Carolina. This site is located in the Guilford 7.5 minute quadrangle of the U.S. Geological Survey. Figure 1 illustrates the location of this property.

1.3 Site Layout

The site is located on an estimated 50,000 square foot tract of land. There is one structure on the property. The site is bounded by wooded areas to the east, Sandy Ridge Road to the west, NS Railway to the north and agricultural land to the south.

1.4 Ownership History and Use

Standard Enterprises is the current registered owner of the property. Prior to being leased by Worth Industries, the property was used for commercial purposes. One 4,000 gallon gasoline UST, one 6,000 gallon isopropyl acetate UST, one 4,000 gallon ethyl acetate UST, one 2,000 gallon ethyl acetate UST, one 2,000 gallon ethyl alcohol UST and one 2,000 gallon di-n-octyl phthalate (DOP) UST were registered with NCDEHNR on May

1, 1986. While in service the tanks were used to store solvents used at the facility for printing processes. The tanks were permanently closed in January of 1993. Other chemicals stored and used by Worth Industries include various water and solvent based inks.

1.5 Permit and Regulatory History

The facility is registered as a small hazardous waste generator with facility ID NCD067434548. Various other hazardous waste generators are located near this site. A comprehensive review of any hazardous waste incidents is not included in this report.

1.6 Release History

On February 16, 1993, Arnold Equipment and Legacy submitted a report to the Winston-Salem Regional Office of DEM summarizing the closure of the tanks at the facility. From data obtained during the removal operations, a detailed site map was developed which indicates the former location of the USTs (see Figure 2). During the closure assessment, 16 soil samples were obtained for field analyses from the tank excavation area. Analytical results revealed the presence of organic compounds in soils on the site, specifically isopropyl acetate in the vicinity of Tank #1. Since no discrete release event has been documented, the contamination is attributed to a slow continuous release from the underground piping. The quantity of the release is uncertain, but is probably not large since free product was not observed in the tank excavation during the closure assessment. 43.70 tons of contaminated soils were excavated from the tank bed, loaded onto dump trucks, weighed and stockpiled on site encapsulated in polyethylene sheeting awaiting treatment. The specific data obtained from these analyses, discrete sample locations, and soil analytical data are included in our February 16, 1993 UST Closure Report.

2.0 Demographic Conditions

2.1 Topography/Surface Water

The Worth Industries facility was constructed at an approximate elevation of 870' above mean sea level, which was used as an assumed elevation for our investigation in lieu of use of an established benchmark. The partial U.S.G.S. map included as Figure 1 indicates that the project site is located in an area which drains South/Southwest to the East Fork of the Deep River. The site lies within the upper part of the Cape Fear River Basin which is drained by the Deep River. Refer to Figure 2 for the layout of the project site.

2.2 Geology and Soil Survey

According to the North Carolina Geologic Survey Map of North Carolina, the project site is located in the Carolina Slate Belt of the Piedmont which is characterized by both metamorphic and intrusive rocks with northeast trending folds varying from broad to tightly compressed. The underlying geology in the area of the project site is generally classified as metamorphosed granitic rock.

The rocks underlying the Cape Fear River Basin generally occur in two distinct zones. The uppermost zone is the saprolite (residuum) which is a product of the weathering of

the underlying bedrock. The saprolite zone usually consists of clay with sand and large rock fragments and has an average thickness of 30' on most hills. Groundwater in the saprolite occurs in the pore spaces between particles. The unweathered bedrock in the zone underlying the saprolite has been subject to great stresses that cause fractures in the rock. Groundwater occurs in the sheetlike openings developed along the fractures in this zone.

The soil survey of Guilford County classifies the soil association for the general area as:

Cecil-Madison association: Gently sloping and sloping, well drained soils that have a sandy clay loam, clay loam, and clay subsoil; on uplands.

The soil survey of Guilford County describes the soil for the specific area as:

McB2-Madison clay loam, 6 to 10 percent slopes, eroded. This well drained soil is on long, fairly narrow upper side slopes on uplands. The mapped areas are 3 to 40 acres in size. Typically, the surface layer is reddish-brown clay loam about 5 inches thick. The subsoil is 29 inches thick; the upper part is red clay, and the lower part is mottled red clay loam. The underlying material, to a depth of 80 inches, is mottled reddish yellow sandy clay loam in the upper part and mottled reddish yellow sandy loam in the lower part. The organic-matter content of the surface layer is low. Permeability is moderate, available water capacity is low, and the shrink-swell potential is low. Reaction of the subsoil is strongly acid. Depth to bedrock is more than 60 inches. The seasonal high water table is at a depth of more than 6 feet.

According to the soil survey of Guilford County, soils located adjacent and downgradient from the site include:

ApB-Appling sandy loam, 2 to 6 percent slopes.

MaD-Madison sandy loam, 10 to 15 percent slopes.

VaB-Vance sandy loam, 2 to 6 percent slopes.

MaB-Madison sandy loam, 2 to 6 percent slopes.

2.3 Site Hydrogeology

Groundwater at the project site was encountered during assessment activities in unconsolidated material at depths of approximately 15' to 18' below ground surface.

2.4 Climate & Meteorology

Seasonal temperature in the Colfax area averages 44 degrees Fahrenheit in January, and 77 degrees Fahrenheit in July. Precipitation averages 46"/year; evaporation averages 41"/year; and thunderstorms occur on an average of 50 days/year.

2.5 Land Use

The land within a 1 mile radius of the Worth Industries facility is used for residential, industrial, agricultural and commercial activities.

2.6 Subsurface Conditions

Subsurface investigation at the facility indicated unconsolidated material to a depth of at least 28.5' in all borings. Ground water was estimated to be at depths ranging from 15' to 18' below the ground surface in the various borings performed at the facility.

3.0 Assessment/Evaluation

3.1 Soil Assessment

During the UST closure in January, 1993, field sampling and analyses were conducted on the soils surrounding the former tank area. The general findings from the closure assessment revealed the presence of isopropyl acetate in a concentration of 40.2 ppm at the east end of Tank #1 at a depth of 20'. Based on the findings from the UST closure, eight soil borings were performed at the site during the June 30, 1993 soil investigation. Four borings were advanced using a drilling rig and four were hand-augered at various locations at the facility as indicated in Figure 2. The soil in the drilled borings was sampled at five foot intervals using a split spoon sampler. Those from hand-augered borings were obtained at three foot intervals and samples were obtained from the cylinder of the auger. These samples were screened for evidence of contamination utilizing a Foxboro Organic Vapor Analyzer (OVA) in order to determine the extent of soil contamination. OVA readings of soils ranged from less than 1 ppm to 300 ppm. Results of field screening are provided on Table 1.

To further assess site conditions, one sample from the base of each boring was collected and delivered to Hydrologic Laboratories in Frankfort, KY for analyses. Soil samples were analyzed for isopropyl acetate, ethyl acetate and ethyl alcohol according to Method SW-8240. Laboratory analytical results indicated levels of these target compounds below detection limits (BDL) for all eight of these samples. Table 1 contains a summary of the soil analytical results for the borings performed at the Worth Industries facility and Attachment B contains laboratory reports and chain of custody forms for these soil samples. Attachment A contains the procedures used for soil vapor screening, soil sampling and handling and decontamination procedures.

4.0 Conclusions & Limitations

4.1 General Summary

A soil assessment at the Worth Industries facility has been completed. From a review of all information gathered during our assessment, Legacy Environmental Services, Incorporated has reached the following conclusions.

- A total of six USTs have been closed by removal at this site prior to this soil assessment. These former USTs were regulated by the EPA as hazardous substance tanks. Laboratory analytical results revealed that a release of an unknown quantity of hazardous substances had occurred at the Worth Industries facility.
- Free product was not encountered during tank closure or any phase of our soil assessment.
- Soil borings performed at the site in June, 1993 revealed target compounds levels below laboratory detection limits for all samples submitted for analysis.

4.2 Limitations

The observations made in this report are made under the conditions stated within this report and during the time periods as referenced. In preparing this report, Legacy Environmental Services, Inc. has relied upon public and private information from state and local officials and other parties referenced therein, and upon information contained in the files of the owner, the state and/or local agencies available to Legacy Environmental Services, Inc. at the time of the soil assessment.

In no event shall Legacy Environmental Services, Inc., its employees, agents, or representatives be liable for consequential or incidental damages. Legacy Environmental Services, Inc.'s obligations and liabilities to Arnold Equipment Company, Inc. or its successors and assigns are limited to fraudulent statements herein or gross negligence. We believe the data obtained during the evaluation of this site provides sufficient information upon which to base our judgement in reference to this site. This report is not a comprehensive site assessment for the Worth Industries facility.

4.3 References

Brown, P.M., 1985, Geologic Map of North Carolina, The North Carolina Geological Survey

Stephens, Ronald B., 1977, Soil Survey of Guilford County, North Carolina

TABLE

TABLE 1
FIELD AND LABORATORY ANALYTICAL RESULTS
SOIL SAMPLES

WORTH INDUSTRIES
COLEFAX, NORTH CAROLINA

SAMPLE ID	LOCATION	DATE	DEPTH(FT)	Isopropyl* Acetate	Ethyl* Acetate	Ethyl* Alcohol	OVA (Field Screening)
SB1-5	Soil Boring #1	6/30/93	3.5-5	N/A	N/A	N/A	25
SB1-8.5	Soil Boring #1	6/30/93	8.5	N/A	N/A	N/A	22
SB1-13.5	Soil Boring #1	6/30/93	13.5	N/A	N/A	N/A	20
SB1-18.5	Soil Boring #1	6/30/93	18.5	BDL	BDL	BDL	38
SB2-3.5-5	Soil Boring #2	6/30/93	3.5-5	N/A	N/A	N/A	<1
SB2-8.5	Soil Boring #2	6/30/93	8.5	N/A	N/A	N/A	130
SB2-13	Soil Boring #2	6/30/93	13.5	N/A	N/A	N/A	10
SB2-18.5	Soil Boring #2	6/30/93	18.5	BDL	BDL	BDL	48

(con't)

TABLE 1, page 2

FIELD AND LABORATORY ANALYTICAL RESULTS SOIL SAMPLES

WORTH INDUSTRIES
COLFAX, NORTH CAROLINA

SAMPLE ID	LOCATION	DATE	DEPTH(FT)	Isopropyl* Acetate	Ethyl* Acetate	Ethyl* Alcohol	OVA (Field Screening)
SB3-3.5-5	Soil Boring #3	6/30/93	3.5-5	N/A	N/A	N/A	14
SB3-8.5	Soil Boring #3	6/30/93	8.5	N/A	N/A	N/A	170
SB3-13.5	Soil Boring #3	6/30/93	13.5	N/A	N/A	N/A	<1
SB3-18.5	Soil Boring #3	6/30/93	18.5	N/A	N/A	N/A	48
SB3-23.5	Soil Boring #3	6/30/93	23.5	BDL	BDL	BDL	<1
SB4-8.5	Soil Boring #4	6/30/93	8.5	N/A	N/A	N/A	<10

(Con't)

TABLE 1, page 3

FIELD AND LABORATORY ANALYTICAL RESULTS SOIL SAMPLES

WORTH INDUSTRIES
COLEFAX, NORTH CAROLINA

SAMPLE ID	LOCATION	DATE	DEPTH(FT)	Isopropyl* Acetate	Ethyl* Acetate	Ethyl* Alcohol	OVA (Field Screening)
SB4-13.5	Soil Boring #4	6/30/93	13.5	N/A	N/A	N/A	3
SB4-18.5	Soil Boring #4	6/30/93	18.5	N/A	N/A	N/A	150
SB4-23.5	Soil Boring #4	6/30/93	23.5	N/A	N/A	N/A	38
SB4-28.5	Soil Boring #4	6/30/93	28.5	BDL	BDL	BDL	12
SB5-3	Soil Boring #5	6/30/93	3	N/A	N/A	N/A	220
SB5-6	Soil Boring #5	6/30/93	6	N/A	N/A	N/A	3
SB5-9	Soil Boring #5	6/30/93	9	N/A	N/A	N/A	50
SB5-12	Soil Boring #5	6/30/93	12	BDL	BDL	BDL	300

(Con't)

TABLE 1, page 4

FIELD AND LABORATORY ANALYTICAL RESULTS SOIL SAMPLES

WORTH INDUSTRIES
COLFAX, NORTH CAROLINA

SAMPLE ID	LOCATION	DATE	DEPTH(FT)	Isopropyl* Acetate	Ethyl * Acetate	Ethyl * Alcohol	OVA (Field Screening)
SB6-3	Soil Boring #6	6/30/93	3	N/A	N/A	N/A	<1
SB6-6	Soil Boring #6	6/30/93	6	BDL	BDL	BDL	<1
SB7-3	Soil Boring #7	6/30/93	3	BDL	BDL	BDL	<1
SB8-3	Soil Boring #8	6/30/93	3	N/A	N/A	N/A	<1
SB8-6	Soil Boring #8	6/30/93	9	BDL	BDL	BDL	<1

* Method 8240, Results in parts per million (ppm)

BDL = Below Detection Limits

N/A = Not Analyzed

FIGURES



FIGURE 1

SCALE: 1"=2000'
 DATE: 7/16/93
 DWN.BY: SGF
 DWG.# L93-366A

TITLE:
 PROJECT LOCATION

PROJECT: SOIL ASSESSMENT
 WORTH INDUSTRIES
 COL FAX, NC

CLIENT:

ARNOLD EQUIPMENT



LEGACY
 ENVIRONMENTAL
 SERVICES, INC.
 GREENSBORO, NORTH CAROLINA

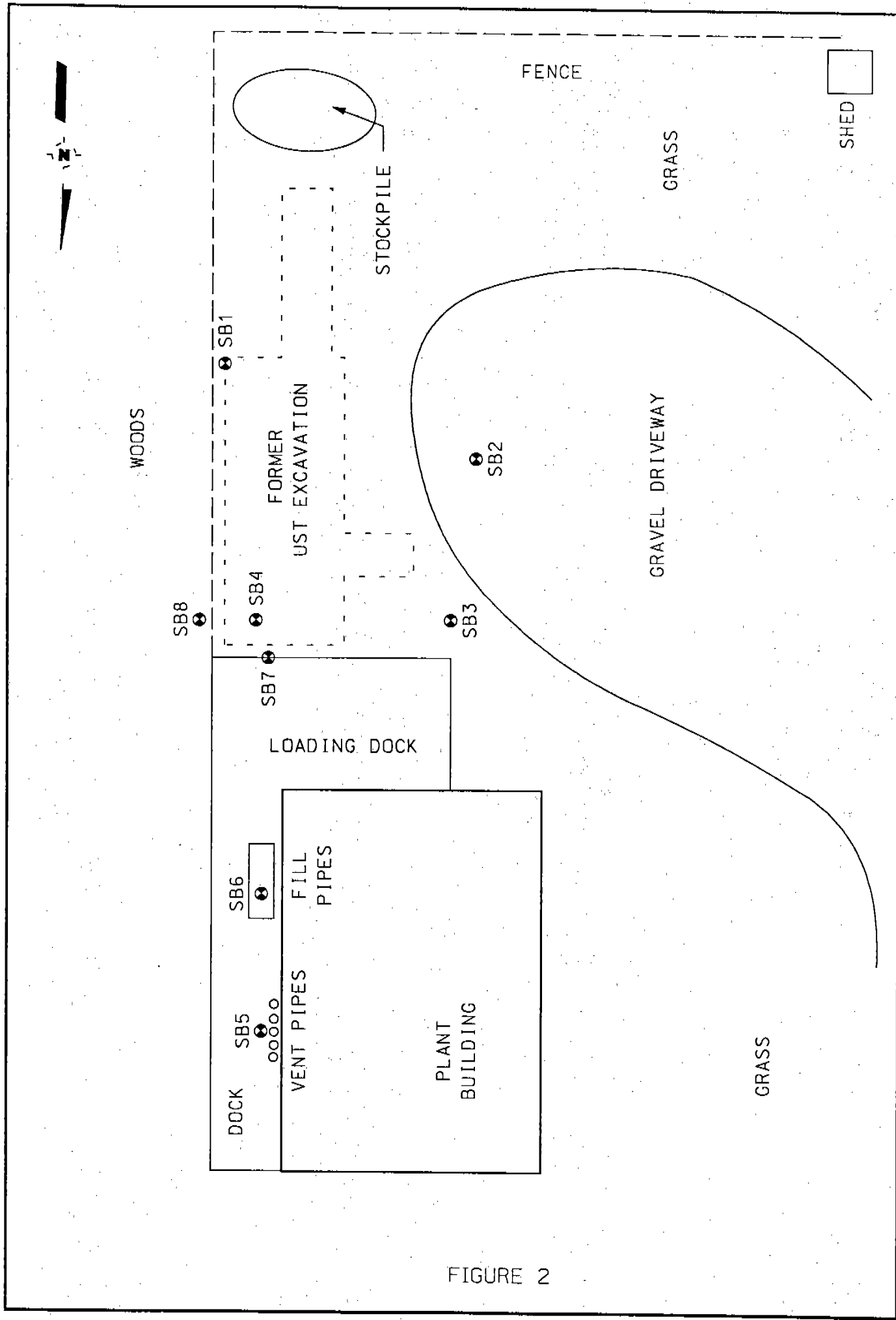


FIGURE 2

SCALE: 1"=20'	TITLE: SITE LAYOUT & SAMPLING DETAIL	PROJECT: SOIL ASSESSMENT	CLIENT: ARNOLD EQUIPMENT	 LEGACY ENVIRONMENTAL SERVICES, INC. GREENSBORO, NORTH CAROLINA
DATE: 7/16/93		WORTH INDUSTRIES		
DWN.BY: SCF		COL FAX, NC		
DWG.# L93-366				

ATTACHMENT A

STANDARD OPERATING PROCEDURES

**STANDARD OPERATING PROCEDURES
LEGACY ENVIRONMENTAL SERVICES, INC.**

I. FIELD SCREENING OF SOILS

1. Calibrate instrument prior to use in accordance with manufacturer's recommended procedures and certified calibration gas standard. Calibrate PIDs with isobutylene standards; FID with methane gas standards.
2. Collect soil samples using decontaminated augers or other sampling devices. Using disposable Latex gloves, place soils in a "zip-lock" type plastic bag, agitate and allow to equilibrate in sunlight for a minimum of 15 minutes.
3. Insert tip of field sampling equipment into sample bag, approximately 1/2" from soil, leaving bag sealed as much as practical.
4. After reading has stabilized, record sample number and contaminant level in parts per million.
5. Check instrument for drift using the standard calibration gas at intervals between sampling and at the end of the days use. Recalibrate instrument as necessary.

II. SAMPLE HANDLING

1. Samples collected for laboratory analysis are handled using disposable Latex gloves. Gloves are not re-used.
2. Place samples into laboratory supplied glassware, in a quantity sufficient for laboratory analyses to be conducted. Tighten sample jar lid securely.
3. Label samples with sample ID, time sampled, date, and analyses to be performed. Immediately place sample containers on ice and cool to approximately 4 degrees Celsius.
4. Store all samples on ice or refrigerate until delivered to certified laboratory.
5. Complete a chain of custody (COC) record for laboratory samples; sign and date COC when samples are relinquished in accordance with EPA chain of custody protocol.

III. WELL DEVELOPMENT & SAMPLING - BALER METHOD

1. Compute volume of the water in well to be sampled. Volume of 2" well is 0.163 gallons/foot; Volume of 4" well is 0.653 gallons/foot.
2. Use new disposable baler to develop well and collect sample. Submerge baler with new nylon string. Handle baler and string with disposable Latex gloves.
3. Develop well by removing 3 volumes of water with baler. Empty baler into 5 gallon bucket, 55 gallon drum or other container. Handle and dispose of water properly.
4. Allow well at least 24 hours to recover, then re-develop by removing 3 volumes of water or removing water until stable readings of pH, temperature, and conductivity are obtained.
5. After well development, obtain water sample and place water sample into laboratory supplied glassware. Fill volatile organic containers completely full, allowing no air bubbles. Fill semi-volatile sample containers as directed by laboratory performing analyses.
6. Transport and handle samples in accordance with Legacy Standard Operating Procedure "Sample Handling".

IV. EQUIPMENT DECONTAMINATION

1. Decontaminate augers, split spoons and other sampling equipment at staged decontamination area via the following procedure:
 - A. Phosphate-free detergent and hot tap water wash;
 - B. Hot tap water rinse;
 - C. Deionized (or distilled) water rinse;
 - D. Isopropyl alcohol rinse;
 - E. Air Dry;
 - F. Wrap equipment with aluminum foil or other material to prevent contamination before next use. Consider target contaminants when selecting wrapping materials.
2. Where practical, use new disposable sampling equipment.

ATTACHMENT B

SOIL BORING ANALYTICAL RESULTS

H Y D R O L O G I C , I N C .

July 15, 1993

REPORTING:

Legacy Environmental
114-C South Westgate Dr.
Greensboro, NC 27407

Attention: Susan Feir

INVOICING:

Legacy Environmental
114-C South Westgate Dr.
Greensboro, NC 27407

PROJECT NUMBER: FL931585

DATE COMPLETED: July 15, 1993

DATE RECEIVED: July 2, 1993

PROJECT DESCRIPTION:

#P-120/Worth Industries--8 soil samples to be analyzed for 8015, sampled on 06/30/93.

Requested by Method 8015, samples analyzed by Method 8240 with permission of Susan Feir 07/12/93.

Enclosed is the laboratory report for the project described above. If you have any questions or if we can be of further assistance, please feel free to contact us. We appreciate your business and look forward to serving you again soon.

Respectfully,



Ben Esterle
Laboratory Director

H Y D R O L O G I C , I N C .

COMPANY NAME: Legacy Environmental

HYDROLOGIC PROJECT NUMBER: FL931585

HYDROLOGIC SAMPLE NUMBER: 18396

SAMPLE IDENTIFICATION: SB1-18.5

DATE SAMPLED: 06/30/93

DATE EXTRACTED: N/A

DATE/TIME ANALYZED: 07/14/93

METHOD TPH 8015

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (mg/kg)	<u>RESULT</u> (mg/kg)
Isopropyl Acetate		0.1	BDL
Ethyl Acetate	141-78-6	0.1	BDL
Ethyl Alcohol		5.0	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____

H Y D R O L O G I C , I N C .

COMPANY NAME: Legacy Environmental

HYDROLOGIC PROJECT NUMBER: FL931585

HYDROLOGIC SAMPLE NUMBER: 18397

SAMPLE IDENTIFICATION: SB2-18.5

DATE SAMPLED: 06/30/93

DATE EXTRACTED: N/A

DATE/TIME ANALYZED: 07/14/93

METHOD TPH 8015

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (mg/kg)	<u>RESULT</u> (mg/kg)
Isopropyl Acetate		0.1	BDL
Ethyl Acetate	141-78-6	0.1	BDL
Ethyl Alcohol		5.0	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____

H Y D R O L O G I C , I N C .

COMPANY NAME: Legacy Environmental

HYDROLOGIC PROJECT NUMBER: FL931585

HYDROLOGIC SAMPLE NUMBER: 18398

SAMPLE IDENTIFICATION: SB3-23.5

DATE SAMPLED: 06/30/93

DATE EXTRACTED: N/A

DATE/TIME ANALYZED: 07/14/93

METHOD TPH 8015

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (mg/kg)	<u>RESULT</u> (mg/kg)
Isopropyl Acetate		0.1	BDL
Ethyl Acetate	141-78-6	0.1	BDL
Ethyl Alcohol		5.0	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____

H Y D R O L O G I C , I N C .

COMPANY NAME: Legacy Environmental

HYDROLOGIC PROJECT NUMBER: FL931585

HYDROLOGIC SAMPLE NUMBER: 18399

SAMPLE IDENTIFICATION: SB4-28.5

DATE SAMPLED: 06/30/93

DATE EXTRACTED: N/A

DATE/TIME ANALYZED: 07/14/93

METHOD TPH 8015

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (mg/kg)	<u>RESULT</u> (mg/kg)
Isopropyl Acetate		0.1	BDL
Ethyl Acetate	141-78-6	0.1	BDL
Ethyl Alcohol		5.0	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____

H Y D R O L O G I C , I N C .

COMPANY NAME: Legacy Environmental

HYDROLOGIC PROJECT NUMBER: FL931585

HYDROLOGIC SAMPLE NUMBER: 18400

SAMPLE IDENTIFICATION: SB5-12

DATE SAMPLED: 06/30/93

DATE EXTRACTED: N/A

DATE/TIME ANALYZED: 07/14/93

METHOD TPH 8015

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (mg/kg)	<u>RESULT</u> (mg/kg)
Isopropyl Acetate		1.0	BDL
Ethyl Acetate	141-78-6	1.0	BDL
Ethyl Alcohol		50.0	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: DILUTION FACTOR X 10

H Y D R O L O G I C , I N C .

COMPANY NAME: Legacy Environmental

HYDROLOGIC PROJECT NUMBER: FL931585

HYDROLOGIC SAMPLE NUMBER: 18401

SAMPLE IDENTIFICATION: SB6-6

DATE SAMPLED: 06/30/93

DATE EXTRACTED: N/A

DATE/TIME ANALYZED: 07/14/93

METHOD TPH 8015

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (mg/kg)	<u>RESULT</u> (mg/kg)
Isopropyl Acetate		0.1	BDL
Ethyl Acetate	141-78-6	0.1	BDL
Ethyl Alcohol		5.0	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____

H Y D R O L O G I C , I N C .

COMPANY NAME: Legacy Environmental

HYDROLOGIC PROJECT NUMBER: FL931585

HYDROLOGIC SAMPLE NUMBER: 18402

SAMPLE IDENTIFICATION: SB7-3

DATE SAMPLED: 06/30/93

DATE EXTRACTED: N/A

DATE/TIME ANALYZED: 07/14/93

METHOD TPH 8015

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (mg/kg)	<u>RESULT</u> (mg/kg)
Isopropyl Acetate		0.1	BDL
Ethyl Acetate	141-78-6	0.1	BDL
Ethyl Alcohol		5.0	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____

H Y D R O L O G I C , I N C .

COMPANY NAME: Legacy Environmental
HYDROLOGIC PROJECT NUMBER: FL931585
HYDROLOGIC SAMPLE NUMBER: 18403
SAMPLE IDENTIFICATION: SB8-6
DATE SAMPLED: 06/30/93
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 07/14/93

METHOD TPH 8015

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (mg/kg)	<u>RESULT</u> (mg/kg)
Isopropyl Acetate		0.1	BDL
Ethyl Acetate	141-78-6	0.1	BDL
Ethyl Alcohol		5.0	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

Remarks: Fed Ex # 7134763704